

ABSTRACT

A small-size electromechanical filter that can be highly integrated and can be tuned is provided.

5 An electromechanical filter includes a conductor acting as a signal line (movable electrode) 101, a magnetic field generating portion 102 for generating a magnetic field passing through the conductor, and a drive electrode 103 for changing the magnetic field passing through the signal line by
10 displacing relative positions of the conductor and the magnetic field generating portion, whereby a tuning of a ferromagnetic resonance frequency, which is difficult to realize in the prior art, can be realized by changing the magnetic field passing through the signal line.

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